Project: Indiana Cropland Transect Survey

Year: 2012

County: LA PORTE

Percent and Number of LA PORTE County fields with indicated Tillage system for each Present crop.

Present crop	No Till		Strip Till		Ridge Till		Mulch Till		Reduced Till		Conven-tional Tillage		Tillage Unknown or N/A		Cover Crops		Ephem-eral Erosion		Rain / Flood Damaged	
	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts	%	pts
Corn	19%	42	0%	0	0%	0	27%	60	36%	79	17%	38	0%	0	0%	0	0%	0	0%	0
Soybeans	44%	64	0%	0	0%	0	36%	52	12%	17	8%	11	0%	0	0%	0	0%	0	0%	0
Small grains	22%	4	0%	0	0%	0	11%	2	56%	10	11%	2	0%	0	0%	0	0%	0	0%	0
Hay/Pasture	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	100%	14	0%	0	0%	0	0%	0
Fallow	0%	0	0%	0	0%	0	0%	0	17%	1	0%	0	83%	5	0%	0	0%	0	0%	0
Specialty Crops	2%	2	0%	0	0%	0	10%	8	32%	26	56%	45	0%	0	0%	0	0%	0	0%	0
CRP and similar	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	100%	3	0%	0	0%	0	0%	0
TOTALS	23%	112	0%	0	0%	0	25%	122	27%	133	20%	96	5%	22	0%	0	0%	0	0%	0

LA PORTE County's Tillage on Cropland - Impacts on Sheet/Rill EROSION in 2012:

If each Corn or Soybean site on the 2012 tillage transect in LA PORTE County were:

CONVENTIONALLY TILLED = an estimated average of ***2.5*** tons of soil/acre/yr would be lost

LA PORTE County's Conventionally-Tilled Corn will lose an average of **2.9** tons of soil/acre/yr in 2012

LA PORTE County's Conventionally-Tilled Beans will lose an average of **1.6** tons of soil/acre/yr in 2012

REDUCE-TILLED = an estimated average of ***1.7*** tons of soil/acre/yr would be lost

LA PORTE County's Reduce-Tilled Corn will lose an average of **1.7** tons of soil/acre/yr in 2012

LA PORTE County's Reduce-Tilled Beans will lose an average of **1.0** tons of soil/acre/yr in 2012

MULCH TILLED = an estimated average of ***1.5*** tons of soil/acre/yr would be lost

LA PORTE County's Mulch-Tilled Corn will lose an average of **0.6** tons of soil/acre/yr in 2012

LA PORTE County's Mulch-Tilled Beans will lose an average of **0.8** tons of soil/acre/yr in 2012

NO-TILLED/STRIP/RIDGE TILLED = an estimated average of ***0.5*** tons of soil/acre/yr would be lost

LA PORTE County's No-Tilled Corn will lose an average of **1.2** tons of soil/acre/yr in 2012

LA PORTE County's No-Tilled Beans will lose an average of **0.5** tons of soil/acre/yr in 2012

As a result of the actual TILLAGE practices on LA PORTE County's Corn and Soybean acres, an estimated: ***1.5*** **tons of soil/acre/yr are SAVED!**

LA PORTE County's cropland planted to small grains will lose an average of **0.3** tons of soil/acre/yr in 2012

LA PORTE County's fallow lands will lose an average of **0.1** tons of soil/acre/yr in 2012

LA PORTE County's CRP and pastureland will lose an average of **0.1** tons of soil/acre/yr in 2012

As a result of the actual CONSERVATION PLANTINGS in LA PORTE County, an estimated: ***3.7*** **tons of soil/acre/yr are SAVED!**

- Acreage Estimates from NASS 2009 (corn and soybean only)
- Erosion estimates are from USLE based on each point's R, k, LS, and appropriate C factor based on rotation and tillage
- Diesel fuel savings are from NRCS Energy Estimators - Tillage

Estimated Acres of LA PORTE County Corn and Soybeans with indicated Tillage system for each Present crop (based on 2009 NASS data)

Present crop	No Till + Strip + Ridge	Mulch Till	Reduced Till	Conven-tional Tillage	Cover Crops	Rain / Flood Damaged
	acres	acres	acres	acres	acres	acres
Corn	20,500	29,200	38,900	18,400	0	0
Soybeans	36,100	29,600	9,900	6,600	0	0
TOTALS	56,600	58,800	48,800	25,000	0	0

LA PORTE County's Tillage on Cropland - Impacts on Sheet/Rill EROSION in 2012:

If each Corn or Soybean site on the 2012 tillage transect in LA PORTE County were:

CONVENTIONALLY TILLED = an estimated ***473,000*** tons of soil would be lost from sheet/rill

As a result of the actual tillage practices on LA PORTE County's Corn and Soybean acres,

an estimated: ***281,400*** **tons of soil in 2012 are SAVED!**

LA PORTE County's Tillage on Cropland - Impacts on DIESEL FUEL USED in 2012:

If each Corn or Soybean site on the 2012 tillage transect in LA PORTE County were:

CONVENTIONALLY TILLED = an estimated ***942,200*** gallons of diesel fuel would be used

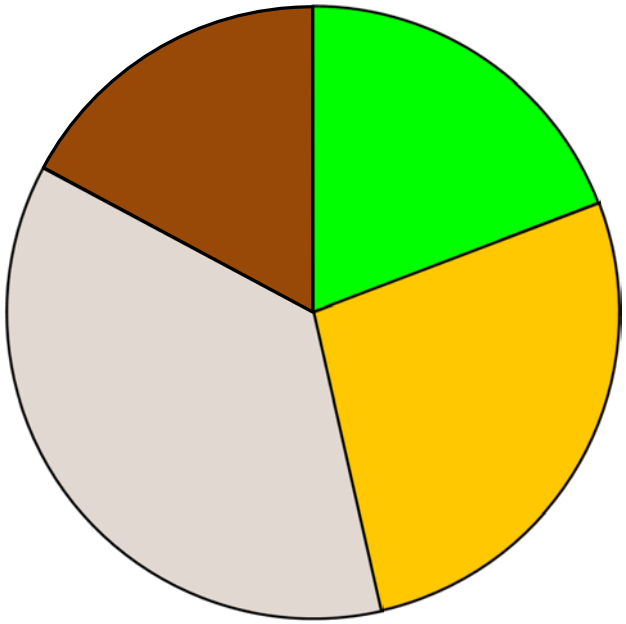
As a result of the actual tillage practices on LA PORTE County's Corn and Soybean acres,

an estimated: ***205,100*** **gallons of diesel fuel in 2012 are SAVED!**

- Acreage Estimates from NASS 2009 (corn and soybean only)
- Erosion estimates are from USLE based on each point's R, k, LS, and appropriate C factor based on rotation and tillage
- Diesel fuel savings are from NRCS Energy Estimators - Tillage

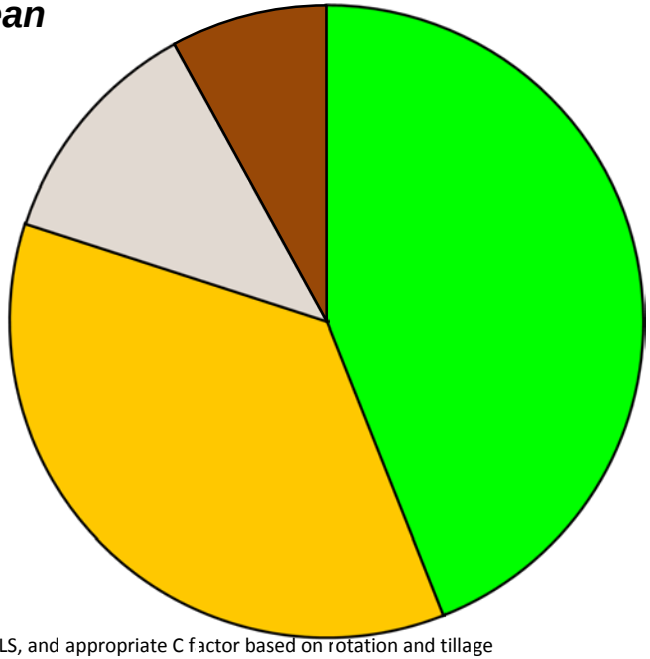
LA PORTE

2012 Cropland Tillage Data - Corn



- No-Till * (19%) = 20500 ac
- Mulch Till (27%) = 29200 ac
- Reduced Till (36%) = 38900 ac
- Conventional (17%) = 18400 ac

2012 Cropland Tillage Data - Soybean



- No-Till * (44%) = 36100 ac
- Mulch Till (36%) = 29600 ac
- Reduced Till (12%) = 9900 ac
- Conventional (8%) = 6600 ac

*** No-Till - Any direct seeding system, including site preparation, with minimal soil disturbance (includes strip & ridge till)**

Mulch Till - Any tillage system leaving 30% - 75% residue cover after planting, excluding no-till

Reduced - Any tillage system leaving 16% - 30% residue cover after planting

Conventional - Any tillage system leaving less than 15% residue cover after planting

- Acreage Estimates from NASS 2009 (corn and soybean only)
- Erosion estimates are from USLE based on each point's R, k, LS, and appropriate C factor based on rotation and tillage
- Diesel fuel savings are from NRCS Energy Estimators - Tillage